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Search statement 1

?us5290551/pn

** SS 1: Results 1

?prt full legalall max

1/1 PLUSPAT - (C) QUESTEL-ORBIT
PN - US5290551 A 19940301 [US5290551]
TI - (A) Treatment of melanoma with a vaccine comprising irradiated
autologous melanoma tumor cells conjugated to a hapten
PA - (A) UNIV JEFFERSON (US)
PA0 - Thomas Jefferson University, Philadelphia PA [US]
IN - (A) BERD DAVID (US)
AP - US98533492 19921204 [1992US-0985334]
FD - Cont. of US520649 19900508 [1990US-0520649] (Abandoned)
PR - US98533492 19921204 [1992US-0985334]
- US52064990 19900508 [1990US-0520649]
IC - (A) A61K-037/66 A61K-039/00
EC - A61K-039/00D6 &M
- A61K-039/00D6
PCL - ORIGINAL (O) : 424193100; CROSS-REFERENCE (X) : 424085200 424277100
DT - Basic
CT - US4108983
- Bystryn, J-C., Journal of Immunology, vol. 120 (1), pp. 96-101, (1978).

Mitchison, Transplant. Proc. 2:92-103 (1970).

Fujiwara et al., J. Immunol. 132:1571-1577 (1984a).

Flood et al., J. Immunol. 138:3573-3579 (1987).

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Berd et al., Cancer Res. 44:1275-1280 (1984a).

Berd et al., Cancer Res. 46:2572-2577 (1986).

Berd et al., Cancer Invest. 6:335-347 (1988a).

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Berd et al., Cancer Res. 48:1671-1675 (1988b).
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Lotze et al., J. Biol. Response 3:475-482 (1982).
West et al., New Engl. J. Med. 316:898-903 (1987).
Talmadge et al., Cancer Res. 47:5725-5732 (1987).
Meuer et al., Lancet 1:15-18 (1989).
Miller and Claman, J. Immunol. 117:1519-1526 (1976).
STG - (A) United States patent
AB - The invention is a hapttenized tumor vaccine for the treatment of cancer. Treatment of cancer patients with an autologous, vaccine preceded by low dose cyclophosphamide (CY) induces delayed-type hypersensitivity (DTH) to melanoma cells, and in some cases, regression of metastatic tumors. The efficiency of the process has been increased by immunizing with tumor cells conjugated to the hapten such as DNP, TNP or AED. Additional embodiments of the vaccine include: 1) combining the vaccine with immunomodulating drugs, such as, interleukin-2 (IL2); and 2) purifying the active components of the vaccine by extracting antigens from cancer cells to produce a chemically-defined, hapttenated vaccine. The treatment may also be extended to include other types of human cancer.

1/1 LGST - (C) EPO
PN - US5290551 A 19940301 [US5290551]
AP - US98533492 19921204 [1992US-0985334]
ACT - 19980428 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 19980306
- 20020430 US/FP-A [-]
EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
EFFECTIVE DATE: 20020301
- 20021126 US/PRDP-A [+]
PATENT REINSTATED DUE TO THE ACCEPTANCE OF A LATE MAINTENANCE FEE
EFFECTIVE DATE: 20021028
UP - 2003-22

1/1 CRXX - (C) CLAIMS/RRX
AN - 2449564
PN - 5,290,551 A 19940301 [US5290551]
PA - Jefferson, Thomas University
PT - C (Chemical)
ACT - 19980306 REISSUE REQUESTED
ISSUE DATE OF O.G.: 19980428
REISSUE REQUEST NUMBER: 09/036645
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1807

Litigation 5,290,551 Myers

Reissue Patent Number:

- 20020430 EXPIRED (20020301)
- 20021126 REINSTATED (20021030)

UP - 1999-00

UACT- 2002-11-26


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<u>not w/N</u>	not with
<u>pre /N</u>	previous
<u>w/p</u>	in
<u>not w/p</u>	not in
<u>w/seg</u>	in segment
<u>not w/seg</u>	not in segment
<u>w/s</u>	in source
<u>not w/s</u>	not in source
<u>and not</u>	and not
<u>View</u>	

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or	or
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not w/N	not
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w/p	in
not w/p	not
w/seg	in
not w/seg	not
w/s	in
not w/s	not
and not	and
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not w/N not
pre /N pre
w/p in s
not w/p not
w/seg in s
not w/seg not
w/s in s
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Syntax	Definition
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or	or
w/N	with
not w/N	not with
pre /N	previous
w/p	in
not w/p	not in
w/seg	in segment
not w/seg	not in segment
w/s	in source
not w/s	not in source
and not	and not
Vie	View

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985334 (07) 5290551 March 1, 1994

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5290551

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March 1, 1994

Treatment of melanoma with a vaccine comprising irradiated autologous melanoma tumor cells conjugated to a hapten

EXPIRATION: March 1, 2002 - DUE TO FAILURE TO PAY MAINTENANCE FEES (O.G. April 30, 2002)

October 30, 2002 - REINSTATED due to acceptance of delayed payment of maintenance fee (O.G. November 26, 2002)

REISSUE: Reissue Application filed Mar. 6, 1998 (O.G. Apr. 28, 1998) Ex. Gp.: 1807; Re. S.N. 09/036,645, (O.G. April 28, 1998)

APPL-NO: 985334 (07)

FILED-DATE: December 4, 1992

GRANTED-DATE: March 1, 1994

ASSIGNEE-AT-ISSUE: Thomas Jefferson University, Philadelphia, Pennsylvania, United States (US), 02

CORE TERMS: cell, tumor, patient, vaccine, melanoma, autologous, cancer, antigen, lymphocyte, il2 ...

ENGLISH-ABST:

The invention is a haptenized tumor vaccine for the treatment of cancer. Treatment of cancer patients with an autologous, vaccine preceded by low dose cyclophosphamide (CY) induces delayed-type hypersensitivity (DTH) to melanoma cells, and in some cases, regression of metastatic tumors. The efficiency of the process has been increased by immunizing with tumor cells conjugated to the hapten such as DNP, TNP or AED. < P><P>Additional embodiments of the vaccine include: 1) combining the vaccine with immunomodulating drugs, such as, interleukin-2 (IL2); and 2) purifying the active components of the vaccine by extracting antigens from cancer cells to produce a chemically-defined, haptenated vaccine. The treatment may also be extended to include other types of human cancer.

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